

73 RF 8252

EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80401

July 21, 1993

A. H. Pauole
Manager
DOE, RFO

MONTHLY UPDATE ON STATUS OF PONDCRETE OPERATIONS - TGH-422-93

Attn: R. Schassburger

Attached are status reports for Waste Solidification (WS) from May 27, 1993 through June 26, 1993. Upon your approval, please forward this report to the Colorado Department of Health. Copies are also to be provided to the Environmental Protection Agency and the Rocky Flats Environmental Monitoring Council.

If there are any questions concerning the report, please contact J. D. Roberts 966-3324, or D. R. Pierson, 966-3324.

T. G. Hedahl, Associate General Manager
Environmental and Waste Management

DRP:cjv

Orig. and 3 cc - A. H. Pauole

Attachments:
As Stated (2)

CLASSIFICATION:

| | | |
|--------------|---|--|
| UNCLASSIFIED | X | |
| CONFIDENTIAL | | |
| SECRET | | |

AUTHORIZED CLASSIFIER
SIGNATURE

DATE 7-8-73
IN REPLY TO REF CC NO.

ACTION: ITEM STATUS
 7 OPEN 7 CLOSED

7 PARTIAL
APPROVALS: *TC*
ORIG & TYPIST INITIALS

$$E = \frac{1}{2} \left(\frac{\partial \phi}{\partial t} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial x} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial y} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial z} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial t} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial x} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial y} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial z} \right)^2$$


| GROUP | ACT | INFO |
|-------|-----|------|
| 93008 | | |
| ERAK | | |
| 11010 | | |
| PIR | | |
| 11100 | | |
| RPM | | |
| 11200 | | |
| ES&E | | |
| 11300 | | |
| SPP | | |
| 11400 | | |
| FOM | | |
| 11500 | | |
| RLD | | |
| 11600 | | |
| SM | | |
| 11700 | | |
| QS | | |

93-RF-8252

Tim Zall

T. G. Hedahl, Associate General Manager
Environmental and Waste Management

DRP:cjv

Orig. and 3 cc - A. H. Pauole

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7 PARTIAL
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$$E = \frac{1}{2} \left(\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \right) = \frac{1}{8}$$

ADMIN RECCRD

A-UU10-000422

REVIEWED FOR CLASSIFICATION (X)
BY G. T. O'NEILL
DATE 9-2-97

Attachment: 1
93-RF-8252

FOR PONDCRETE OPERATIONS
MAY 27, 1993 THROUGH JUNE 26, 1993

BUILDING 788

Approximately 558,307 gallons of liquid was transferred from the 207B North pond to Building 374, Liquid Waste Operations, during the reporting period.

STORAGE PAD 750

There were no spills found during the ongoing inspections of the pad during the reporting period. Approximately 52,000 gallons of runoff liquid were pumped and transferred by truck to Building 374 Liquid Waste Operations.

STORAGE PAD 904

There were no spills found during the ongoing inspections of the pad during the reporting period. Approximately 30,600 gallons of runoff liquid were pumped and transferred by truck to Building 374 Liquid Waste Operations.

904 AND 750 WS STORAGE AREAS
RESULTS FROM ANALYSIS OF GRAB SAMPLES

Analytical results from analysis of grab samples collected at the 750 and 904 Pondcrete storage areas are summarized below. This report includes all data for which analytical results were available from May 27, 1993 through June 26, 1993. The plant guide for Nitrate discharges is 10 mg/l; for gross Alpha is 40 pCi/l; and for gross Beta is 50 pCi/l. Also included are the Cyanide, Cadmium, and Ammonia results upon availability.

TABLE 1
750 CULVERT

| SAMPLE DATE | NITRATE mg/l | GROSS ALPHA pCi/l | GROSS BETA pCi/l | TOTAL DISSOLVED SOLIDS (mg/l) |
|-------------------|-----------------|-------------------------|------------------------|-------------------------------------|
| No data available | | | | |

TABLE 2
750 PAD PUDDLE

| SAMPLE DATE | NITRATE mg/l | GROSS ALPHA pCi/l | GROSS BETA pCi/l | CYANIDE mg/L | CADMIUM ug/l | AMMONIA mg/l | TOTAL DISSOLVED SOLIDS (mg/l) |
|----------------|-----------------|-------------------------|------------------------|-----------------|-----------------|-----------------|-------------------------------------|
| 05/06/93 | 1.10 | 4±1 | 20±1 | <0.003 | * | 3.14 | 101 |
| 05/06/93 | 0.88 | 2±2 | 5±4 | * | 4.0 | 1.39 | 53 |

TABLE 3
904 PAD PUDDLE

| SAMPLE DATE | NITRATE mg/l | GROSS ALPHA pCi/l | GROSS BETA pCi/l | CYANIDE mg/L | CADMIUM ug/l | AMMONIA mg/l | TOTAL DISSOLVED SOLIDS (mg/l) |
|----------------|-----------------|-------------------------|------------------------|-----------------|-----------------|-----------------|-------------------------------------|
| 05/06/93 | 1.44 | 4±1 | 19±2 | <0.003 | * | 4.37 | 51 |
| 05/06/93 | | | | | | <0.05 | 55 |
| 05/06/93 | 1.36 | 1±1 | 6±2 | * | 6.3 | 2.11 | 175 |

* Data not available

These data were gathered as part of the routine environmental monitoring conducted by Environmental Management to screen runoff waters from the pads. Care must be used in any interpretation of these data, which are derived from grab samples taken in a dynamic system.